# U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE

# HORIZONTAL AND VERTICAL CONTROL REPORT

Type of Survey Navigable Area

Field No.

Registry No. H11353

# **LOCALITY**

State New York

General Locality East River

2004

# **CHIEF OF PARTY**

CDR Emily B. Christman

NOAA Ship THOMAS JEFFERSON

# **LIBRARY & ARCHIVES**

DATE

1 11/8/2004

# I. Projects Surveyed

#### OPR-B410-TJ-04

# Registry #: H11353

- General Locality: East River, NY
- Sub-locality: Triborough Bridge to The Battery
- Chief of party: CDR Emily B. Christman
- Project Instructions Dated: July 7, 2004

#### II. Vertical Control

#### A. OPR-B410-TJ-04

All Tide Stations used for this project were Acoustic VX1100. Tide station 851-8750 located at The Battery and tide station 851-6945 located at Kings Point, NY were installed by CO-OPS and are GOES enabled. Preliminary tide zoning was provided with the Project Instructions. Observed water level data were sent via mail using inhouse software Tidebot. These water level data and preliminary zoning were applied to bathymetry data in Caris Hips.

# The Battery, NY

- Station ID: 851-8750
- Latitude: 40° 42′ 03″ N
- Longitude: 074° 00′ 51″ W
- No unusual tidal, water level or current conditions were reported
- No setup or leveling was conducted by THOMAS JEFFERSON Personnel.

# Kings Point, NY

- Station ID: 851-6945
- Latitude: 40° 48′ 39″ N
- Longitude:  $073^{\circ} 45' 52'' W$
- No unusual tidal, water level or current conditions were reported.
- No setup or leveling was conducted by THOMAS JEFFERSON Personnel.

# Horns Hook, NY

- Station ID: 851-8668
- Latitude: 40o 46' 36" N
- Longitude: 0730 56' 30" N
- No unusual tidal, water level or current conditions were reported.
- No setup or leveling was conducted by THOMAS JEFFERSON Personnel.

11/8/2004

Times of Hydrography:

Year_DOY	Min Time	Max Time
2004_211	15:17:24	19:54:32
2004_212	12:00:45	23:17:30
2004_213	13:05:41	20:08:18
2004_214	13:23:09	22:18:16
2004_215	12:40:08	20:28:57
2004_216	12:44:12	22:57:20
2004 217	13:08:15	17:09:39

# III. Horizontal Control

All parameters were provided in the letter instructions and no additional fieldwork was completed that would change any parameters.

# IV. Approval

As Chief of Party, I have ensured that all information contained in the Vertical and Horizontal Control Report is complete and accurate to the best of my knowledge.

Submitted:

ENS Andrew P. Seaman, NOAA
Junior Officer

Approved and Forwarded:

CDR Emily B. Christman, NOAA
Field Operations Officer

Commanding Officer

11/8/2004